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PCT

#11

## RAW SEQUENCE LISTING

DATE: 05/08/2002

PATENT APPLICATION: US/09/787,228B

TIME: 10:44:25

Input Set : N:\paola\US09787228B.raw

Output Set: N:\CRF3\05082002\I787228B.raw

1 <110> APPLICANT: HINE, ANNA V.  
 2 MORGAN, LEONIE J.  
 3 SANTOS, ALBERT F.  
 4 PALFREY, DAVID  
 5 <120> TITLE OF INVENTION: GENE AND PROTEIN LIBRARIES AND METHODS RELATING THERETO  
 6 <130> FILE REFERENCE: PL9830  
 C--> 7 <140> CURRENT APPLICATION NUMBER: US/09/787,228B  
 8 <141> CURRENT FILING DATE: 2002-03-08  
 9 <150> PRIOR APPLICATION NUMBER: PCT/GB99/03081  
 10 <151> PRIOR FILING DATE: 1999-09-14  
 11 <150> PRIOR APPLICATION NUMBER: EP 98307434.5  
 12 <151> PRIOR FILING DATE: 1998-09-14  
 13 <160> NUMBER OF SEQ ID NOS: 4  
 14 <170> SOFTWARE: PatentIn Ver. 2.1  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 28  
 18 <212> TYPE: PRT  
 19 <213> ORGANISM: Artificial Sequence  
 20 <220> FEATURE:  
 21 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 22 peptide construct  
 23 <400> SEQUENCE: 1  
 24 Thr Gly Glu Lys Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser  
 25 1 5 10 15  
 26 Lys Lys Ser His Leu Val Ala His Gln Arg Thr His  
 27 20 25  
 29 <210> SEQ ID NO: 2  
 30 <211> LENGTH: 28  
 31 <212> TYPE: PRT  
 32 <213> ORGANISM: Artificial Sequence  
 33 <220> FEATURE:  
 34 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 35 peptide construct  
 36 <220> FEATURE:  
 37 <221> NAME/KEY: MOD\_RES  
 38 <222> LOCATION: (17)  
 39 <223> OTHER INFORMATION: Any amino acid  
 40 <220> FEATURE:  
 41 <221> NAME/KEY: MOD\_RES  
 42 <222> LOCATION: (20)  
 43 <223> OTHER INFORMATION: Any amino acid  
 44 <220> FEATURE:  
 45 <221> NAME/KEY: MOD\_RES

ENTERED

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46 <222> LOCATION: (23)
47 <223> OTHER INFORMATION: Any amino acid
48 <400> SEQUENCE: 2
49     Thr Gly Glu Lys Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser
50         1             5             10             15
W--> 51     Xaa Lys Ser Xaa Leu Val Xaa His Gln Arg Thr His
52             20             25
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 28
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
60     motif
61 <220> FEATURE:
62 <221> NAME/KEY: MOD_RES
63 <222> LOCATION: (1)
64 <223> OTHER INFORMATION: Tyrosine or Phenylalanine
65 <220> FEATURE:
66 <221> NAME/KEY: MOD_RES
67 <222> LOCATION: (2)
68 <223> OTHER INFORMATION: Any amino acid
69 <220> FEATURE:
70 <221> NAME/KEY: MOD_RES
71 <222> LOCATION: (4)..(5)
72 <223> OTHER INFORMATION: Any amino acid
73 <220> FEATURE:
74 <221> NAME/KEY: MOD_RES
75 <222> LOCATION: (7)..(9)
76 <223> OTHER INFORMATION: Any amino acid
77 <220> FEATURE:
78 <221> NAME/KEY: MOD_RES
79 <222> LOCATION: (11)..(15)
80 <223> OTHER INFORMATION: Any amino acid
81 <220> FEATURE:
82 <221> NAME/KEY: MOD_RES
83 <222> LOCATION: (17)..(18)
84 <223> OTHER INFORMATION: Any amino acid
85 <220> FEATURE:
86 <221> NAME/KEY: MOD_RES
87 <222> LOCATION: (20)..(22)
88 <223> OTHER INFORMATION: Any amino acid
89 <220> FEATURE:
90 <221> NAME/KEY: MOD_RES
91 <222> LOCATION: (24)..(28)
92 <223> OTHER INFORMATION: Any amino acid
93 <400> SEQUENCE: 3
W--> 94     Xaa Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
95         1             5             10             15

```

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Input Set : N:\paola\US09787228B.raw

Output Set: N:\CRF3\05082002\I787228B.raw

```

W--> 96      Xaa Xaa His Xaa Xaa Xaa His Xaa Xaa Xaa Xaa
      97              20              25
      99 <210> SEQ ID NO: 4
      100 <211> LENGTH: 28
      101 <212> TYPE: PRT
      102 <213> ORGANISM: Artificial Sequence
      103 <220> FEATURE:
      104 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
      105      motif
      106 <220> FEATURE:
      107 <221> NAME/KEY: MOD_RES
      108 <222> LOCATION: (12)
      109 <223> OTHER INFORMATION: Any amino acid
      110 <220> FEATURE:
      111 <221> NAME/KEY: MOD_RES
      112 <222> LOCATION: (15)
      113 <223> OTHER INFORMATION: Any amino acid
      114 <220> FEATURE:
      115 <221> NAME/KEY: MOD_RES
      116 <222> LOCATION: (18)
      117 <223> OTHER INFORMATION: Any amino acid
      118 <400> SEQUENCE: 4
W--> 119      Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Xaa Lys Ser Xaa Leu
      120              1              5              10              15
W--> 121      Val Xaa His Gln Arg Thr His Thr Gly Glu Lys Pro
      122              20              25

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/787,228B

DATE: 05/08/2002  
TIME: 10:44:26

Input Set : N:\paola\US09787228B.raw  
Output Set: N:\CRF3\05082002\I787228B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 17,20,23

Seq#:3; Xaa Pos. 1,2,4,5,7,8,9,11,12,13,14,15,17,18,20,21,22,24,25,26,27,28

Seq#:4; Xaa Pos. 12,15,18

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

## VERIFICATION SUMMARY

DATE: 05/08/2002

PATENT APPLICATION: US/09/787,228B

TIME: 10:44:26

Input Set : N:\paola\US09787228B.raw

Output Set: N:\CRF3\05082002\I787228B.raw

L:7 M:270 C: Current Application Number differs, Wrong Format  
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16  
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16  
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16